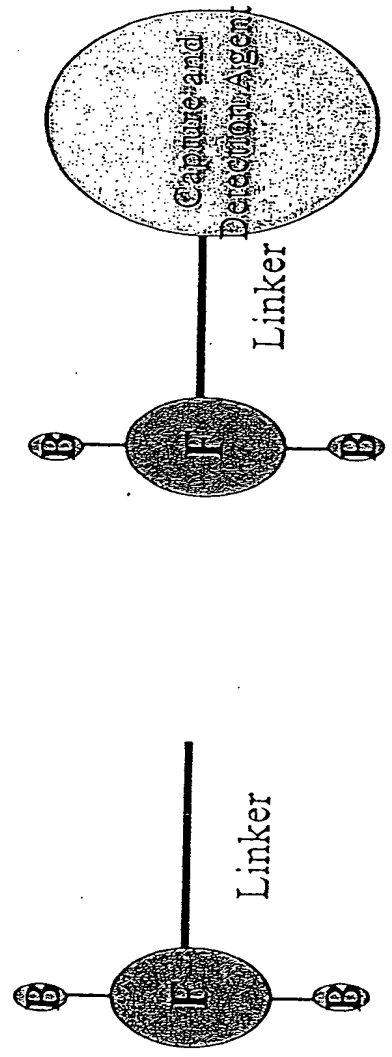


High-throughput Target ID



Library of Bioactive
Compounds

Library of Target ID
Compounds

Use corresponding
activity-based probe to
identify the biological target

FIGURE 1

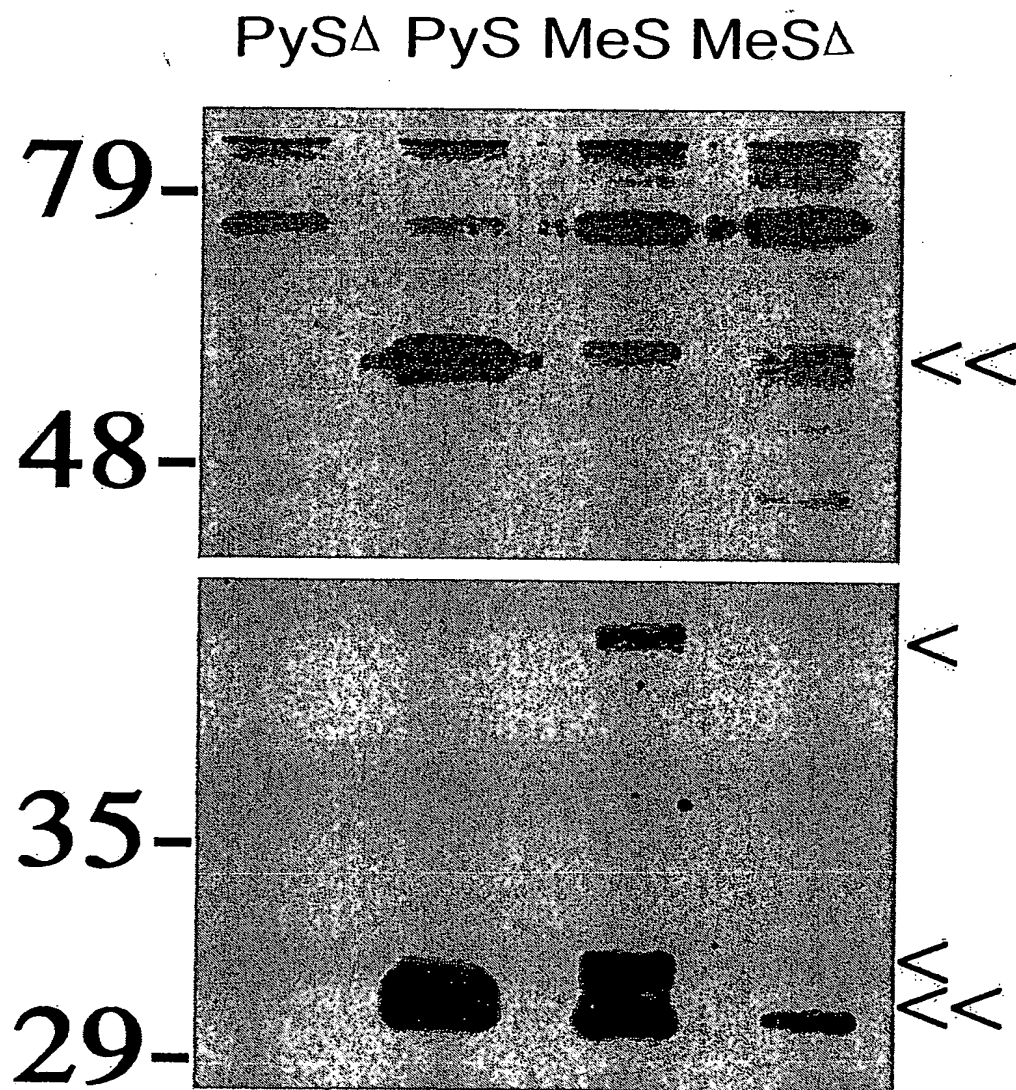
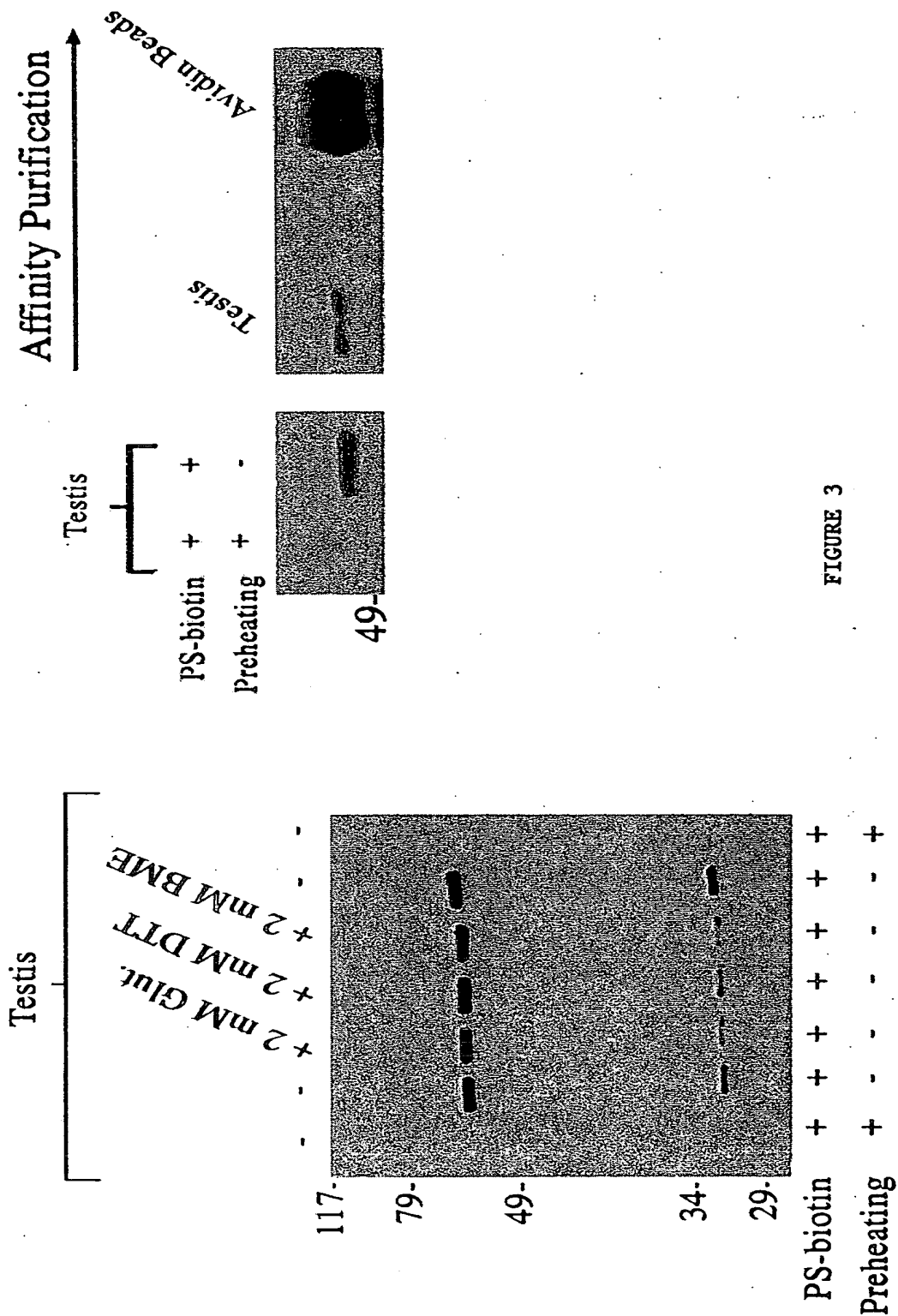
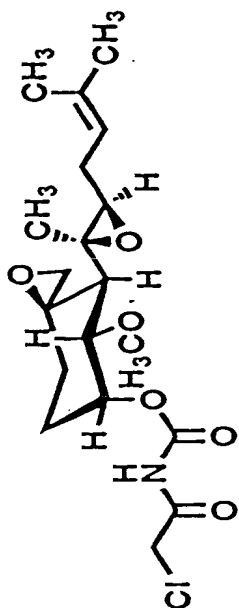
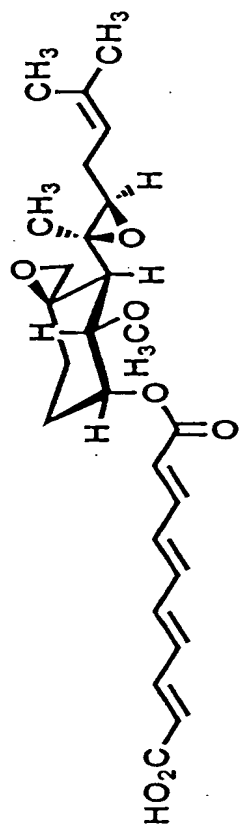


FIGURE 2

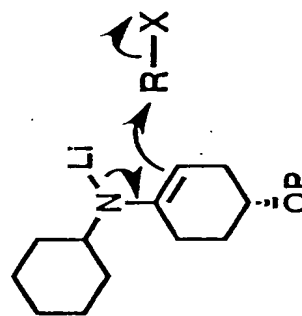
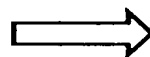
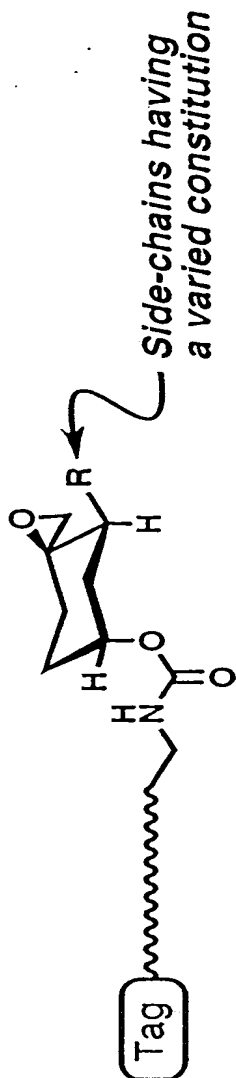




TNP-470



Fumagillin



X = halide
 R = various aliphatic, alicyclic, alkyl aryl, or
 alkyl heteroaryl groups
 P = unspecified protecting group

FIGURE 4A

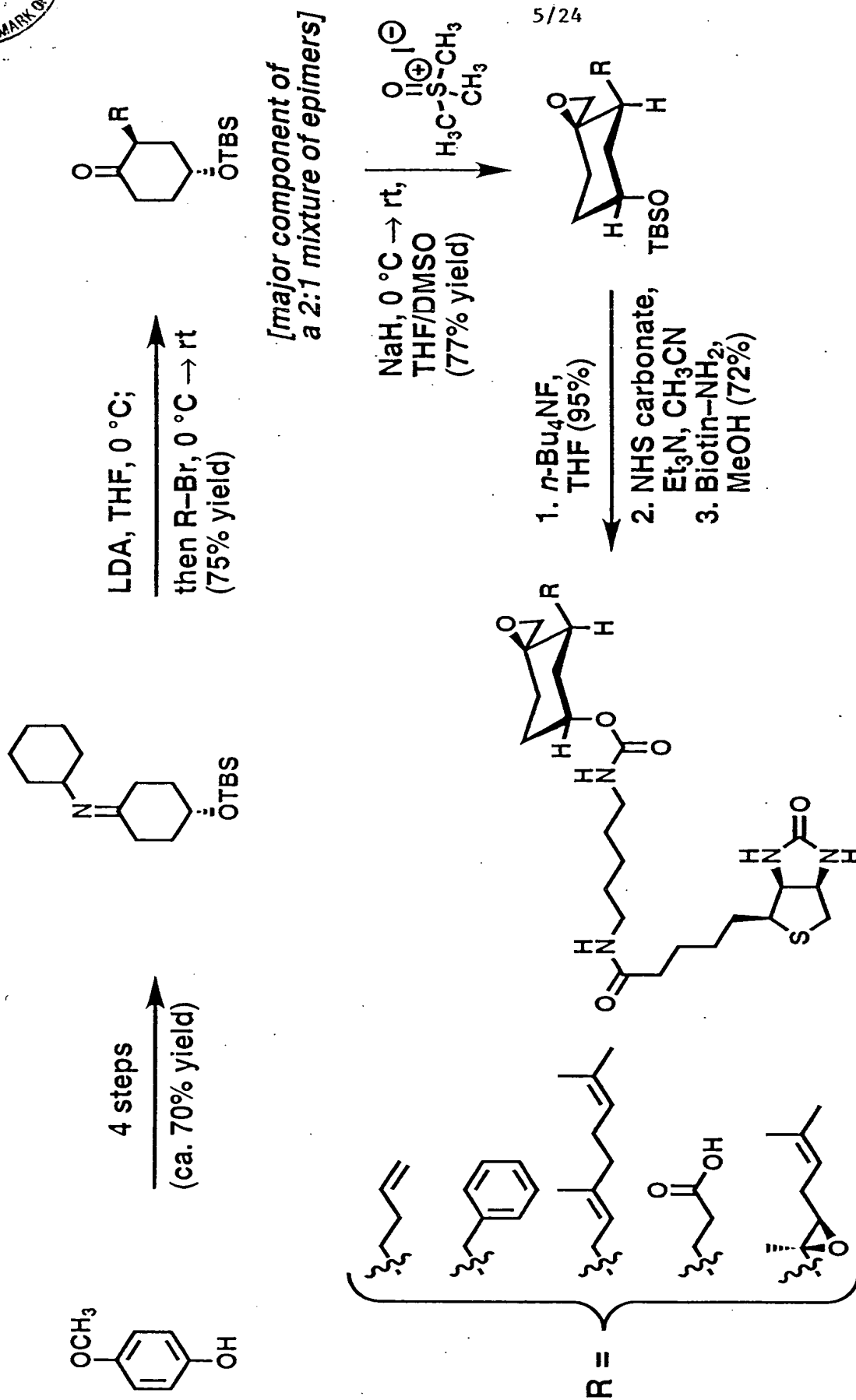


FIGURE 4B

6/24

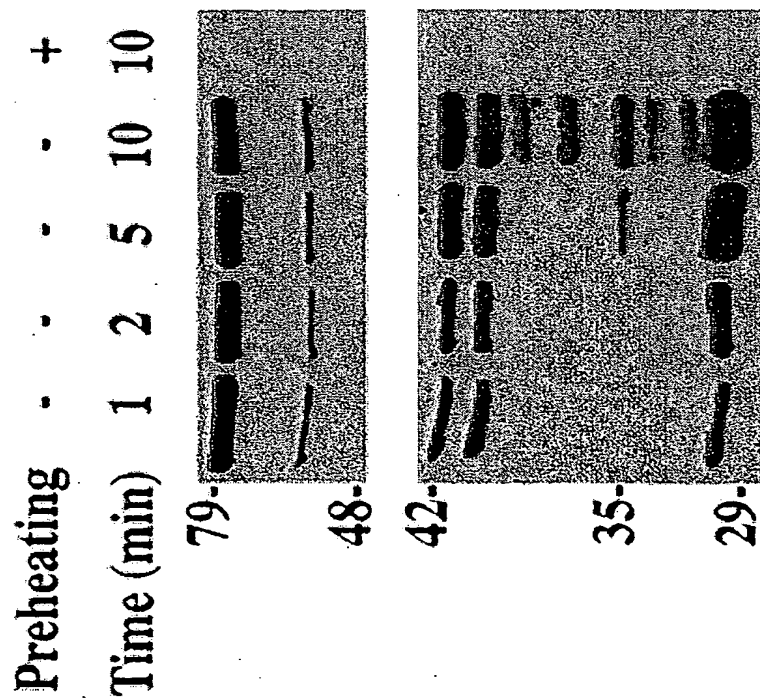
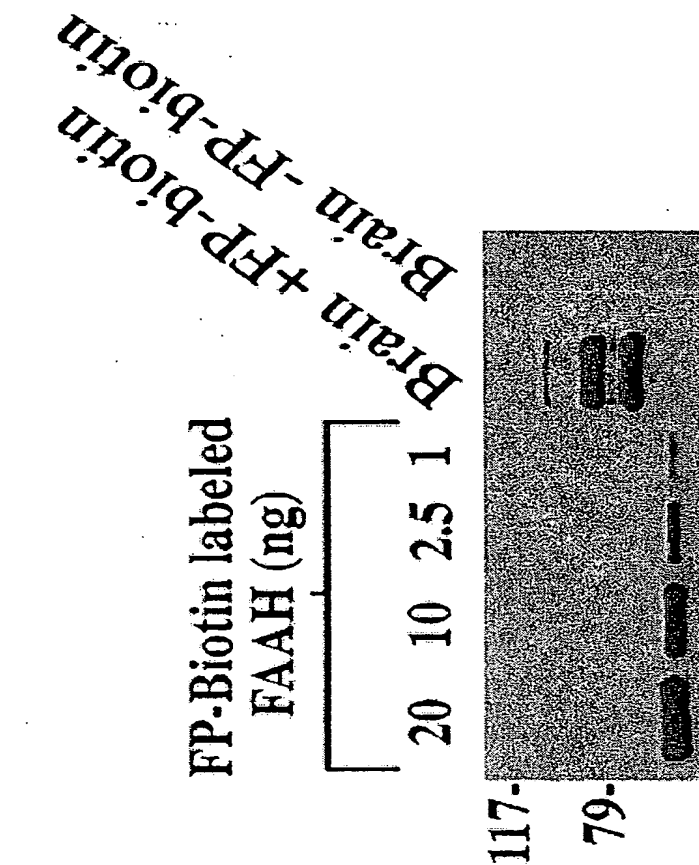
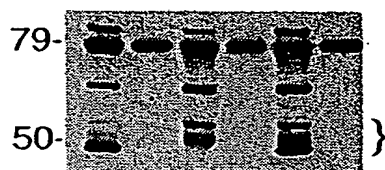


FIGURE 5



7/24

FP-peg-biotin (μ M)	4	4	0	0	2	2
FP-biotin (μ M)	0	0	4	4	2	2
Preheated	-	+	-	+	-	+



FP-peg-biotin	-	-	+	+
FP-biotin	+	+	-	-
Preheated	+	-	-	+

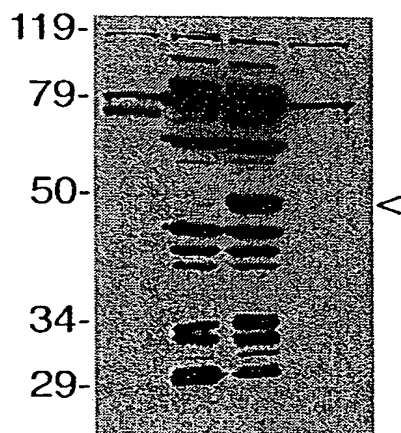


FIGURE 6

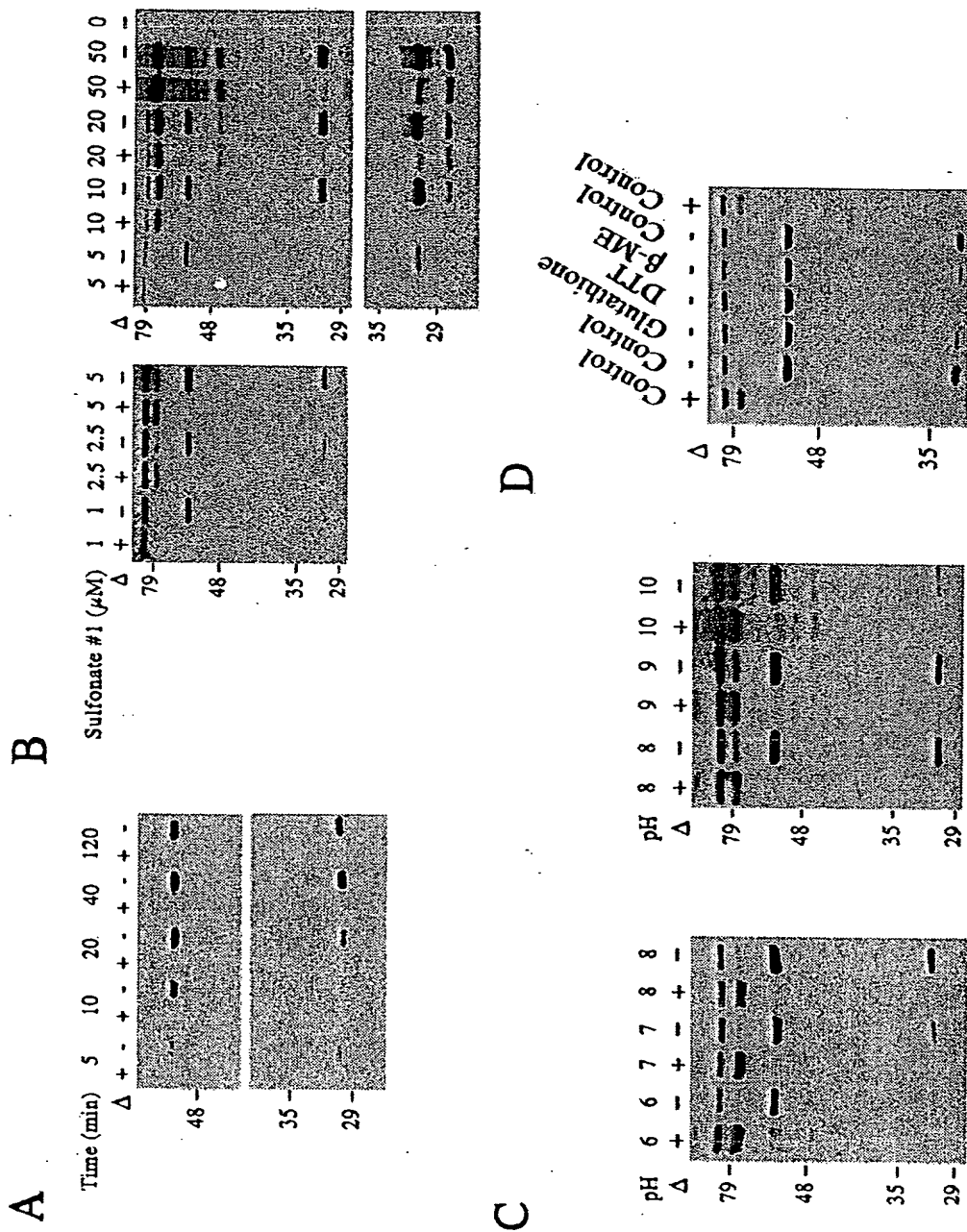


FIGURE 7

9/24

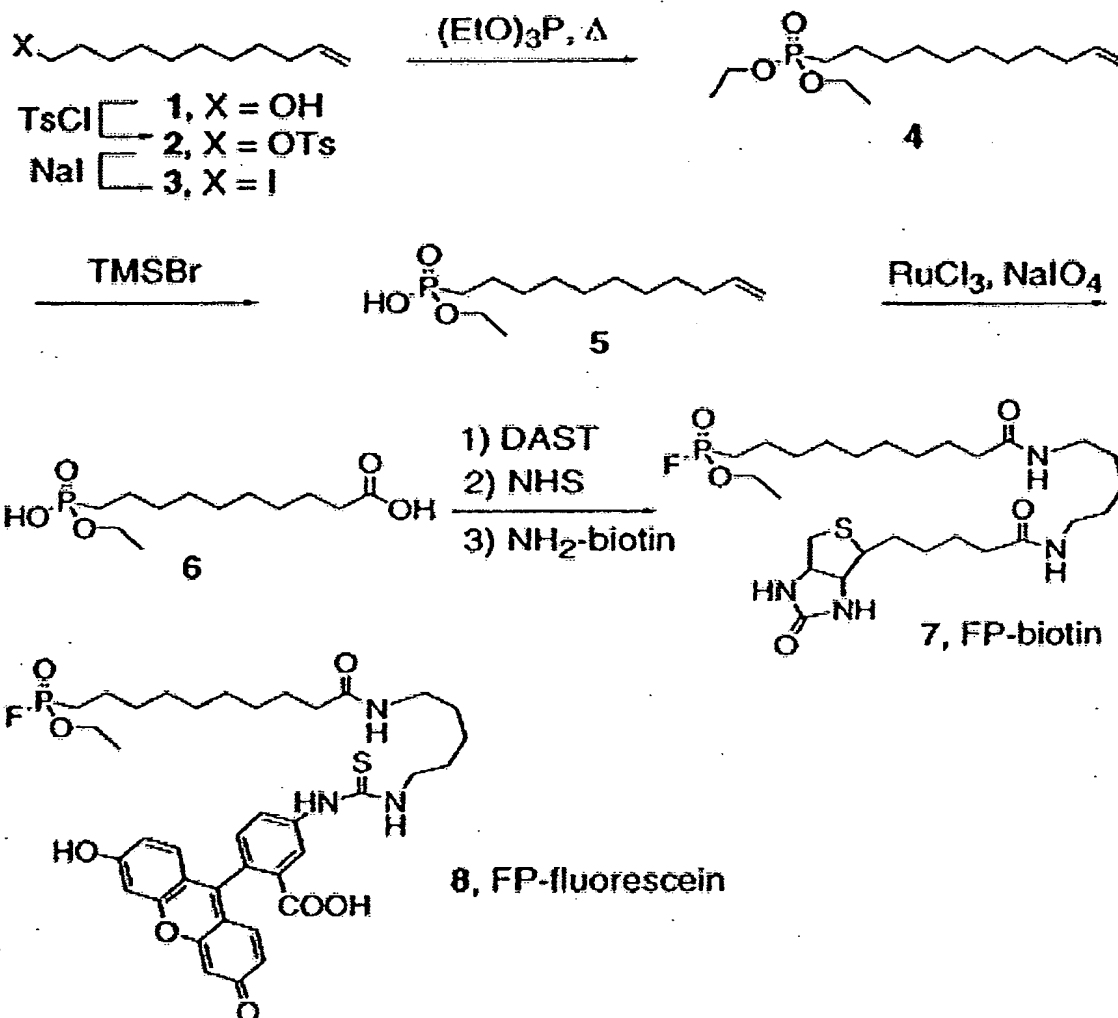


FIGURE 8

10/24

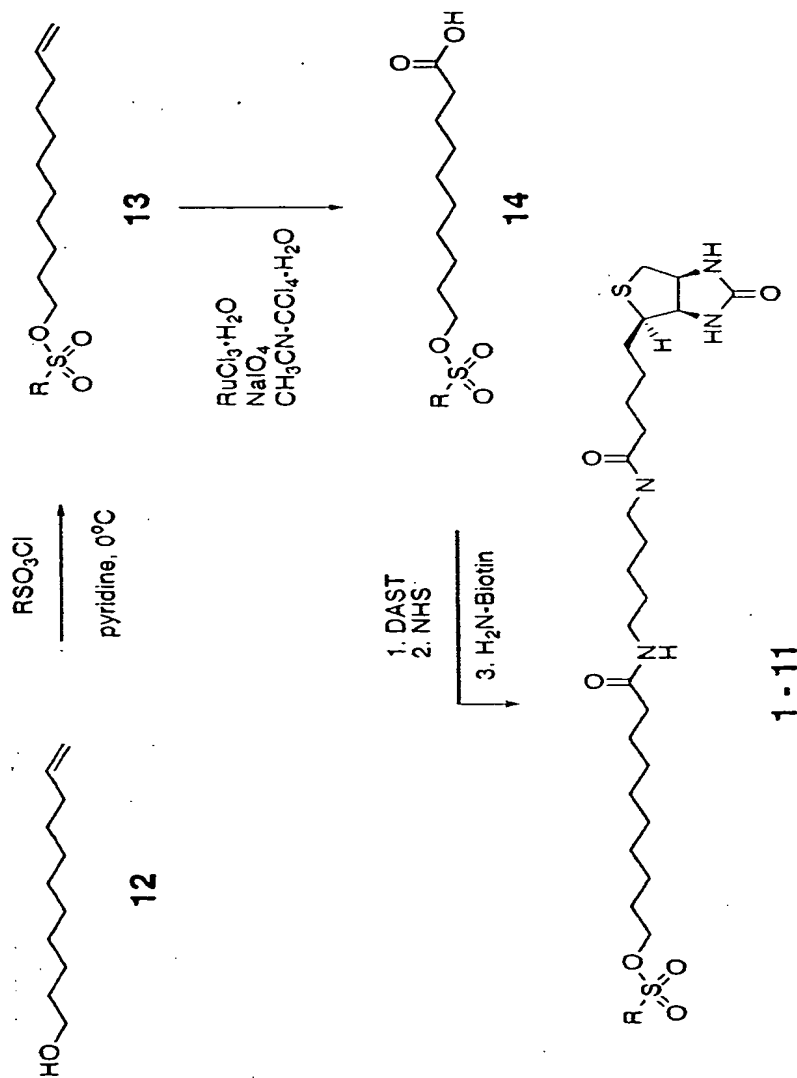
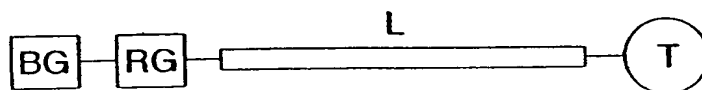


FIGURE 9

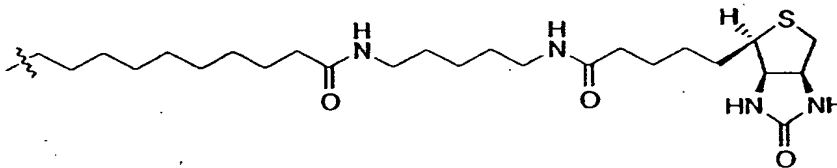
11/24

A.

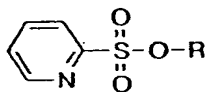


B.

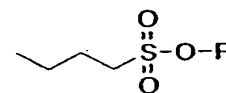
R =



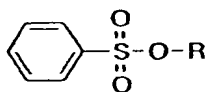
1



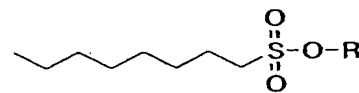
6



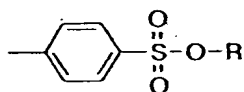
2



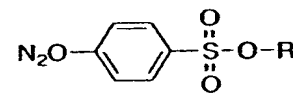
7



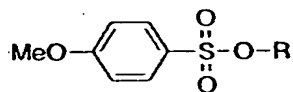
3



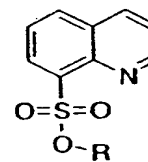
8



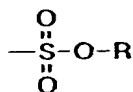
4



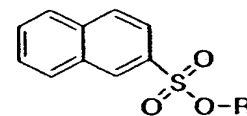
9



5



10



11

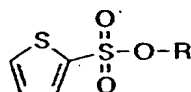
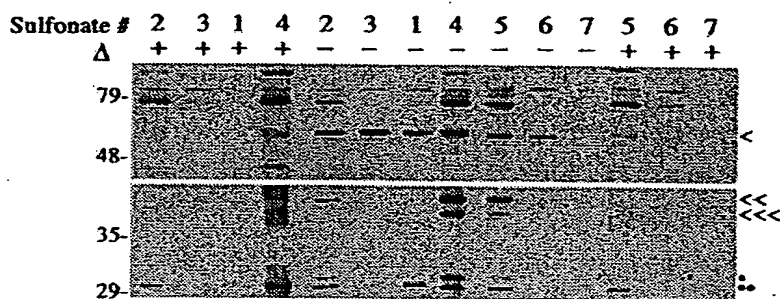


FIGURE 10



12/24

A



B

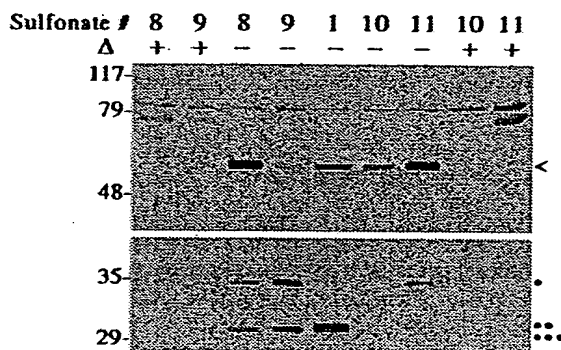
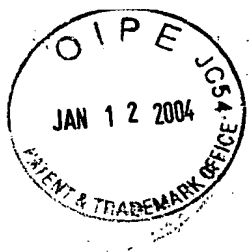


FIGURE 11



13/24

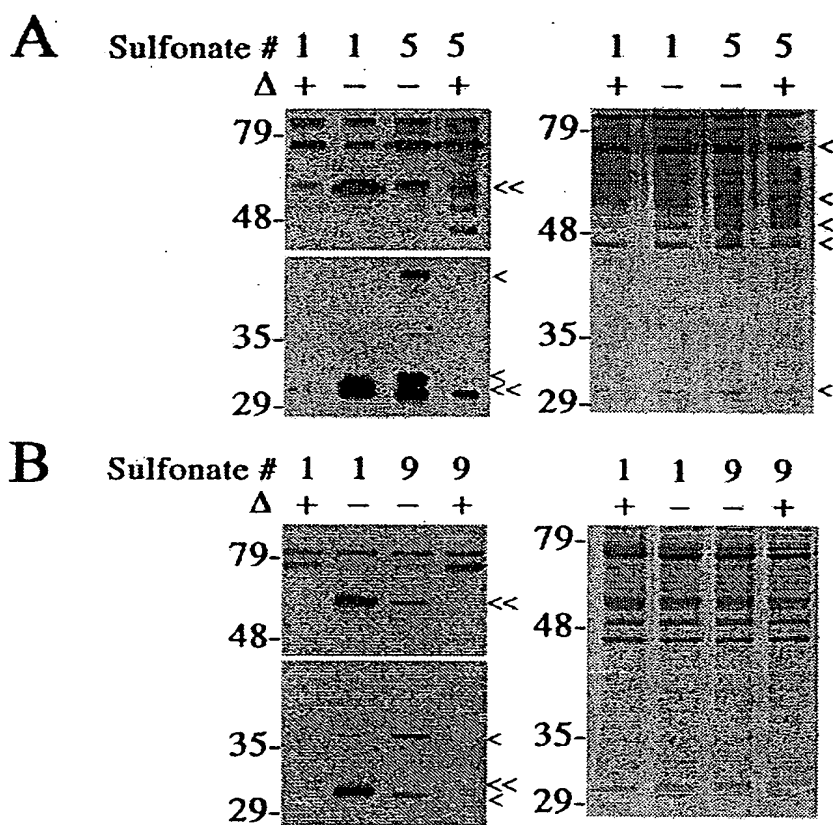
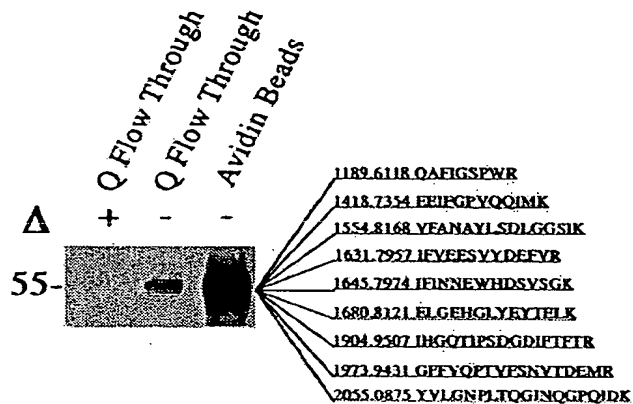
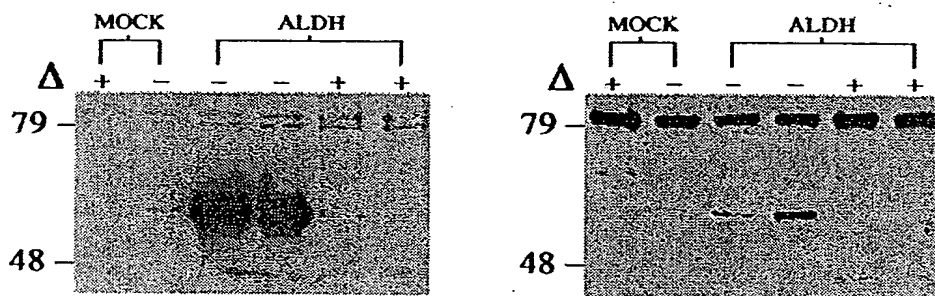


FIGURE 12

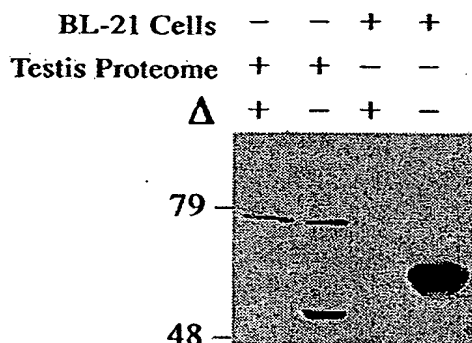
A



B



C



D

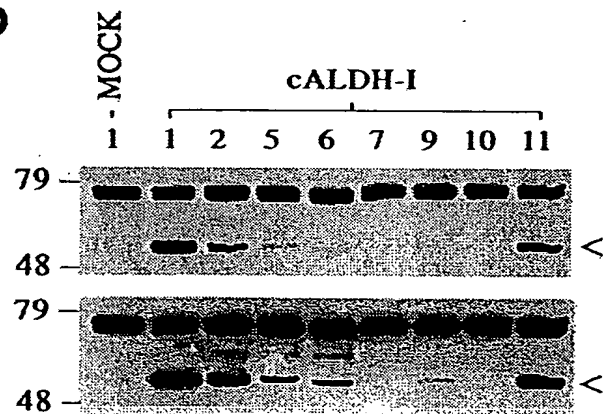
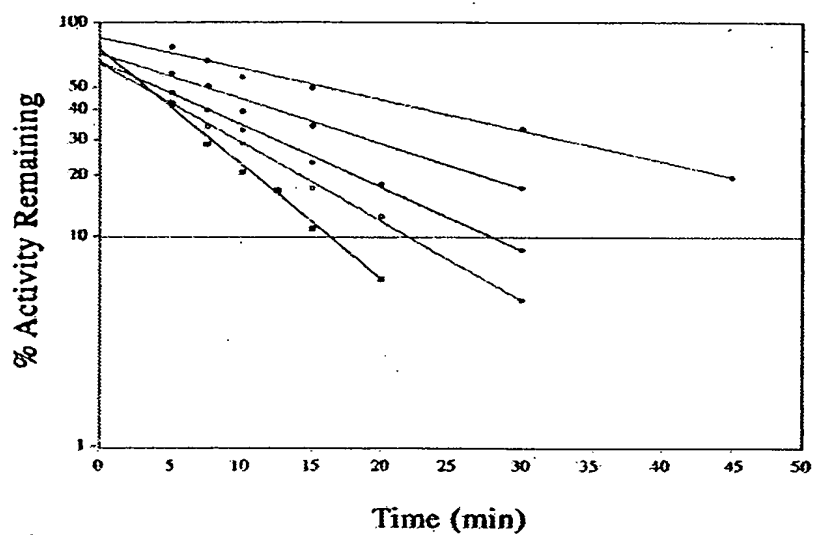


FIGURE 13

A



B

Competitor #	-	-	15	17	16	15	17	16
[Competitor (μ M)]	0	0	5	5	5	50	50	50
Δ	+	-	-	-	-	-	-	-

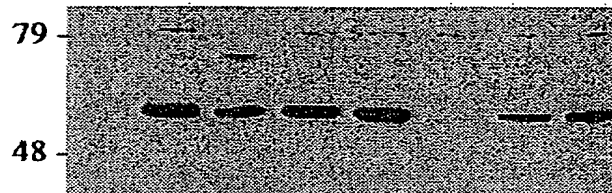


FIGURE 14

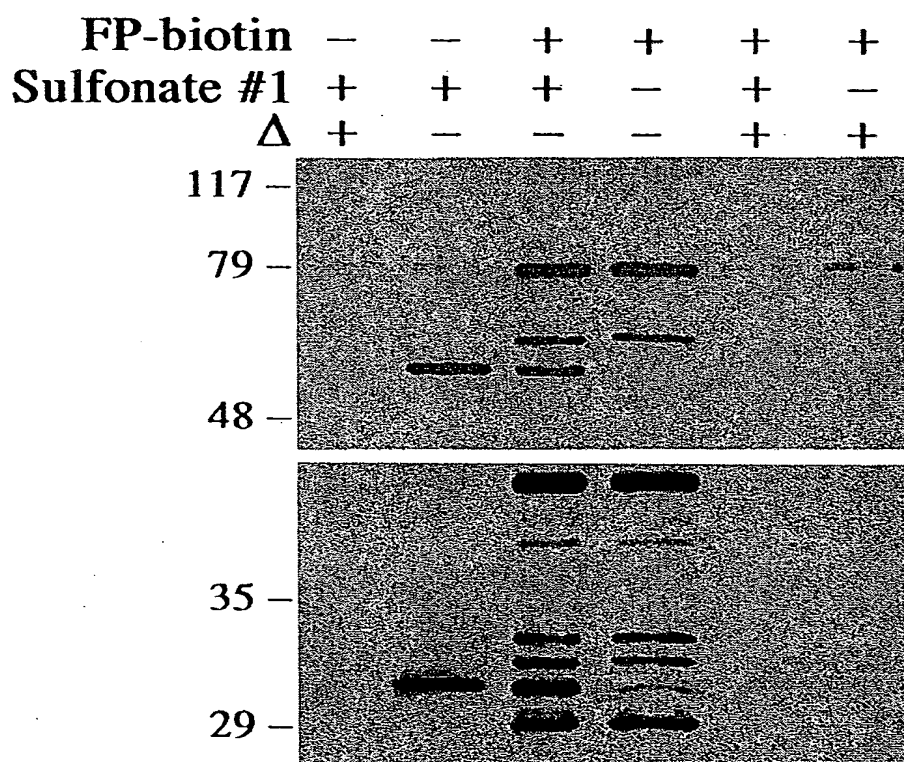


FIGURE 15

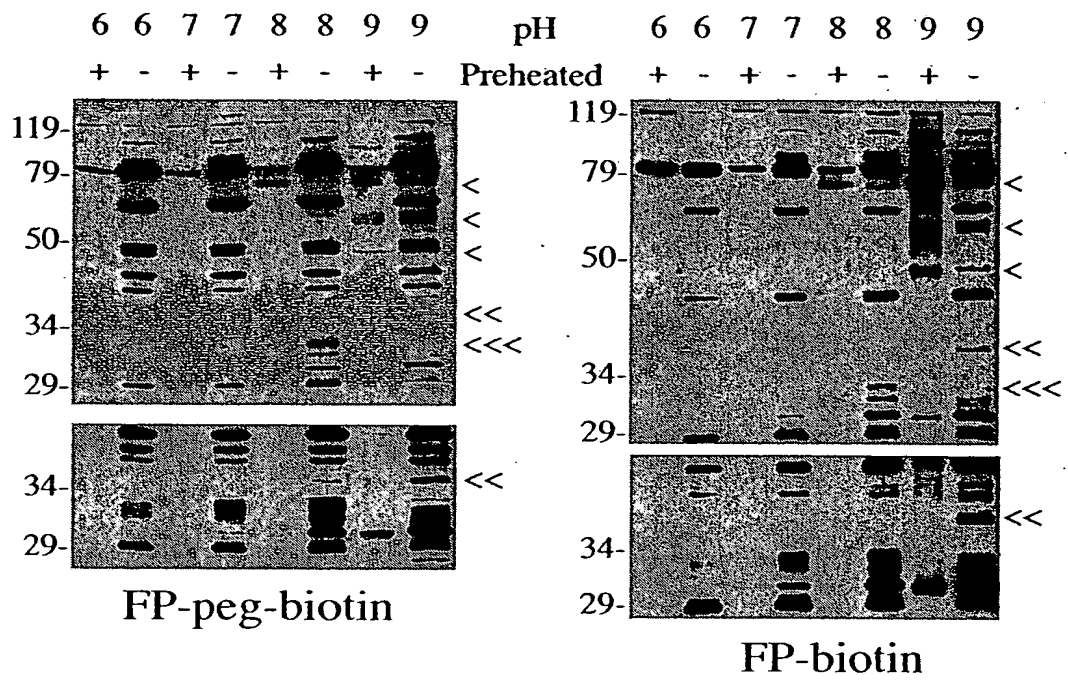


FIGURE 16



18/24

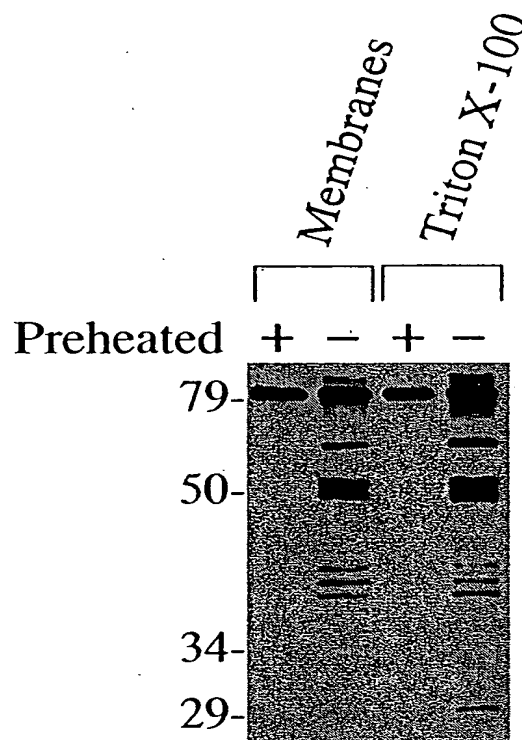


FIGURE 17



19/24

FP-peg-biotin	+	+	+	+	+	+	-	-	-
FP-biotin	-	-	-	-	-	-	+	+	+
OTFMK	0	0	200	50	5	1	0	200	50
Δ	+	-	-	-	-	-	-	-	-

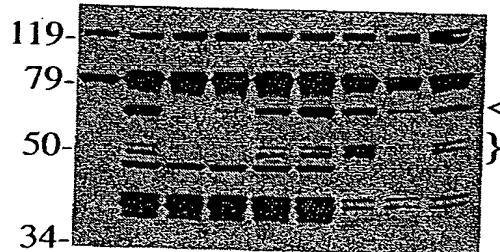


FIGURE 18

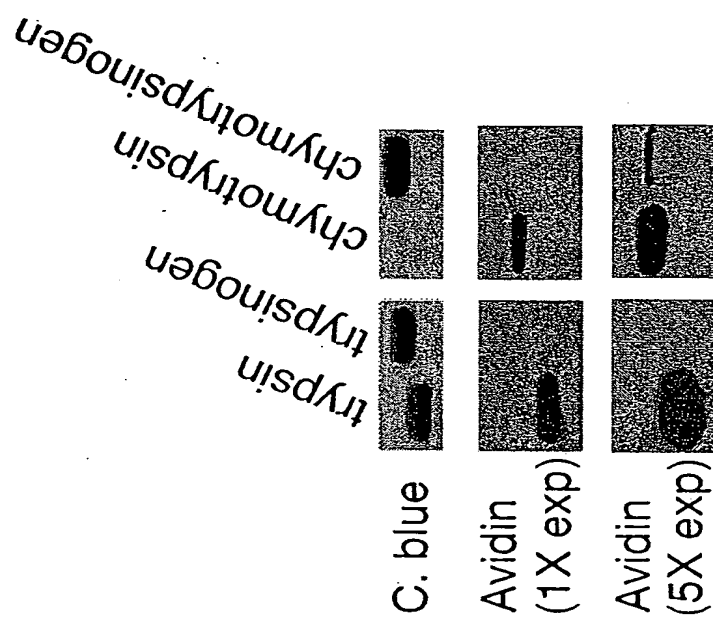
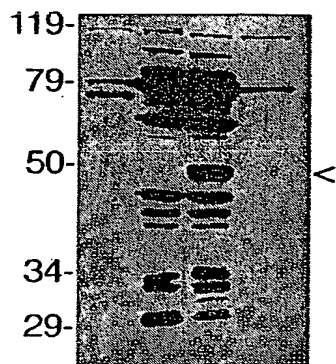


FIGURE 19

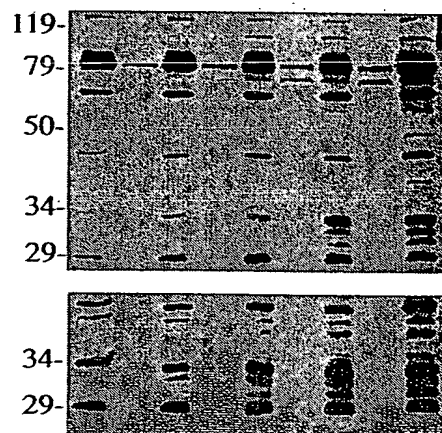
A.

FP-peg-biotin - - + +
FP-biotin + + - -
Preheated + - - +



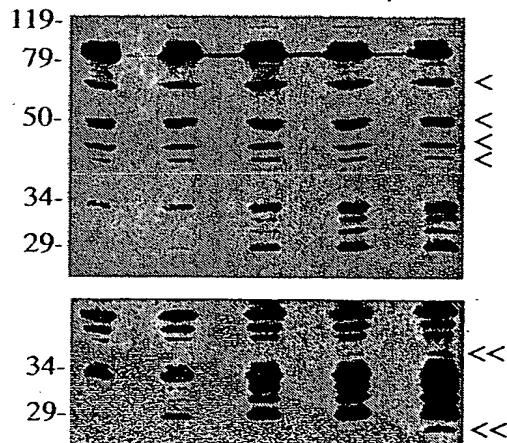
B.

FP-biotin (μ M) 0.5 1 1 2 2 4 4 8 8
Preheated - + - + - + - + -



C.

FP-peg-biotin (μ M) 0.5 1 1 2 2 4 4 8 8
Preheated - + - + - + - + -



D.

FP-peg-biotin (μ M) 1 2 8

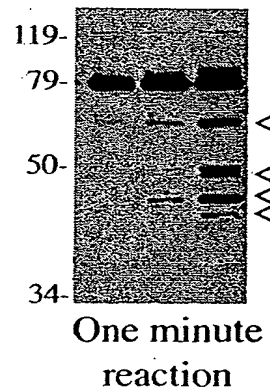


FIGURE 20



FIGURE 21

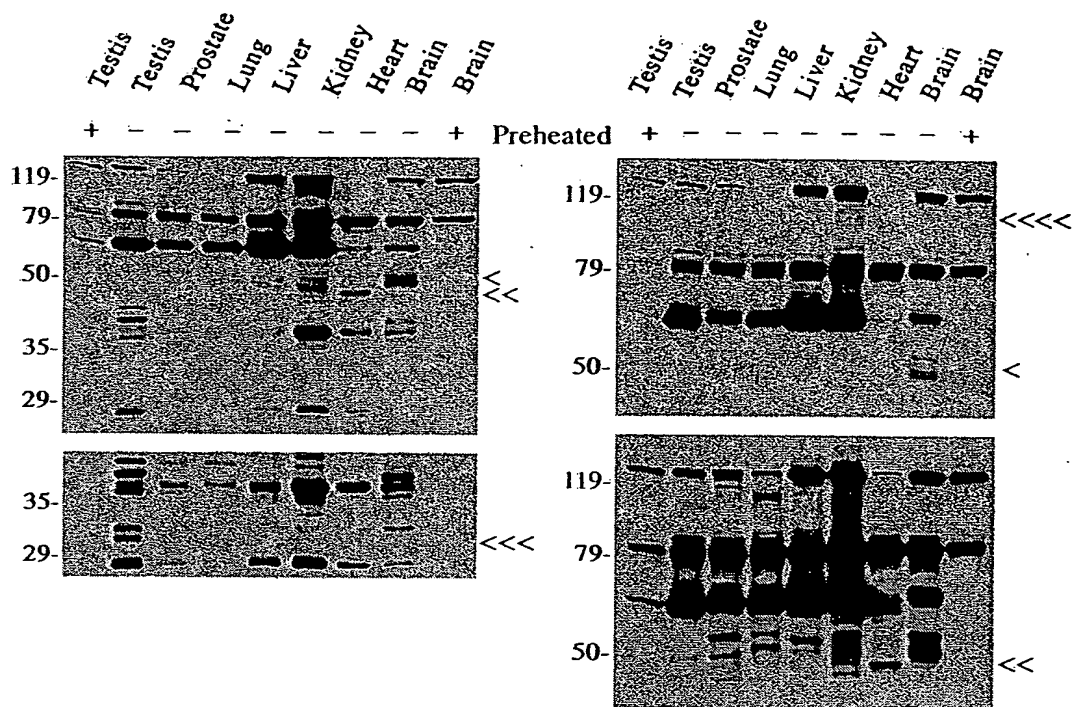


FIGURE 22

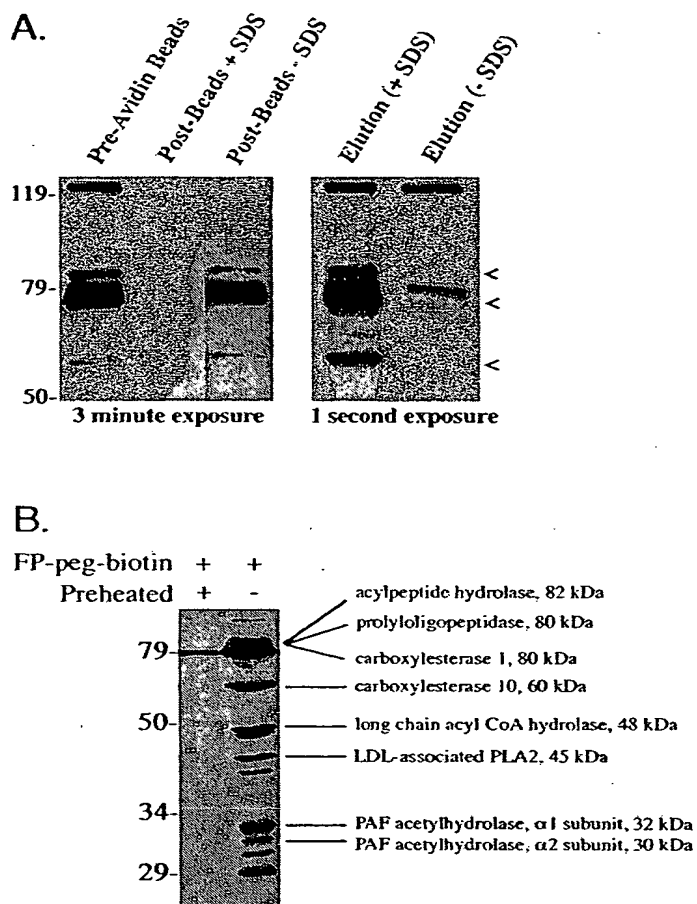


FIGURE 23